

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102924\  
 Data File : BF140138.D  
 Acq On : 30 Oct 2024 03:48  
 Operator : RC/JU  
 Sample : P4597-06  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RED-1-2

Quant Time: Oct 30 04:42:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

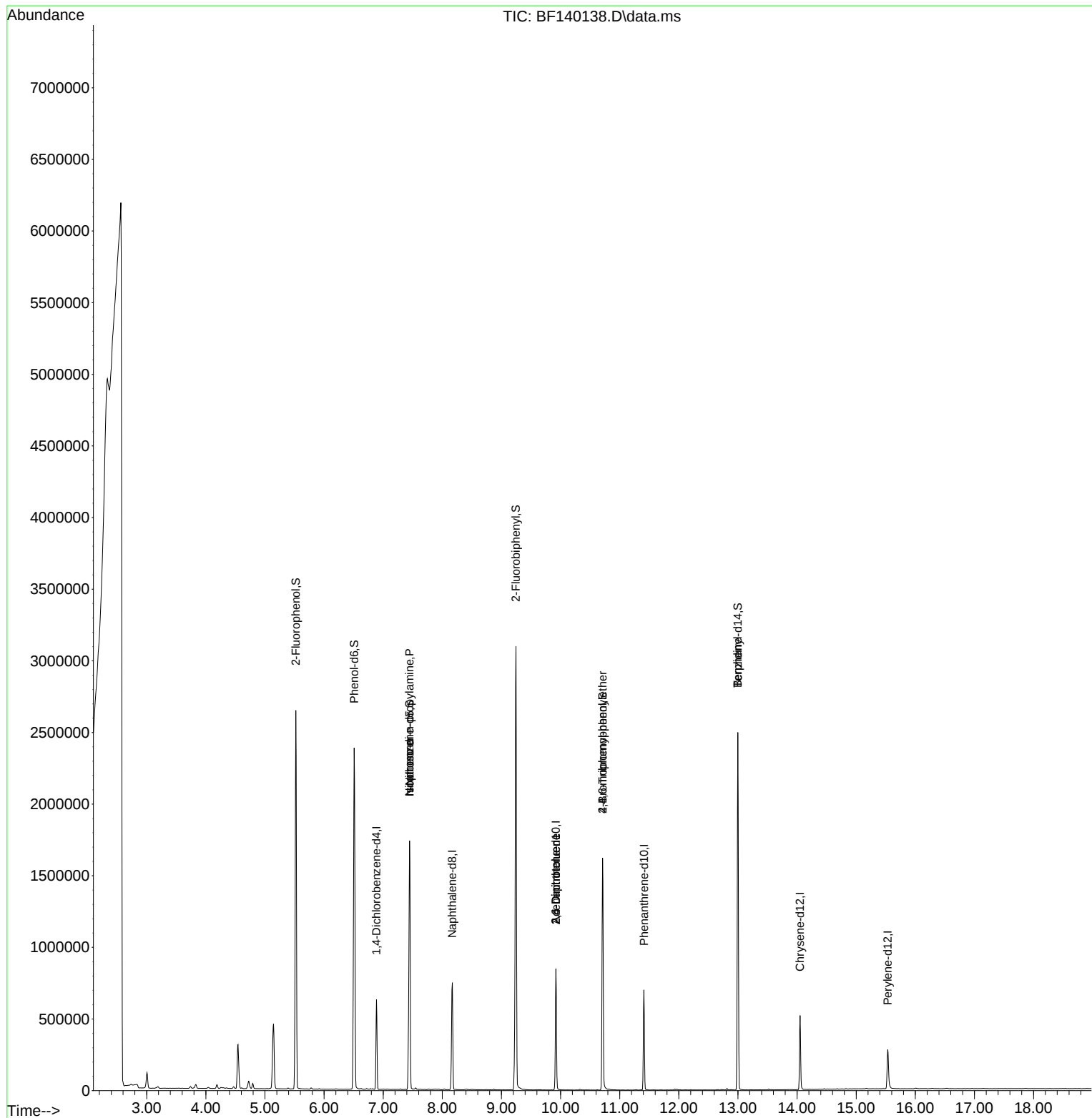
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 126659   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 501647   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 256654   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 367001   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 252344   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 187953   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 1028355  | 127.103 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.510  | 99   | 1270493  | 121.245 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 904971   | 99.984  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 285068   | 118.746 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1570816  | 101.151 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1250635  | 80.758  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 124443   | 19.581  | ng    | # 77     |
| 25) Isophorone                | 7.445  | 82   | 891536   | 51.897  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 33030    | 9.542   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 33025    | 7.759   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 18746    | 4.958   | ng    | # 1      |
| 77) Benzidine                 | 12.998 | 184  | 15843    | 3.818   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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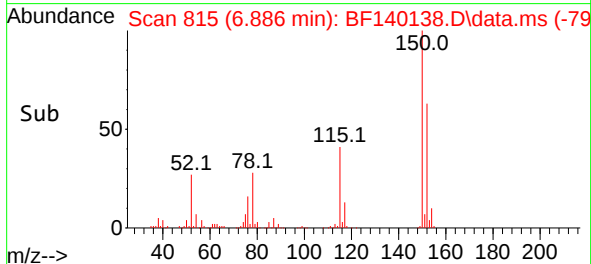
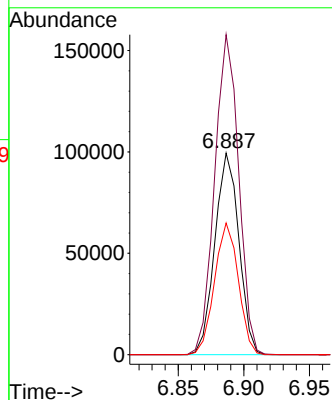
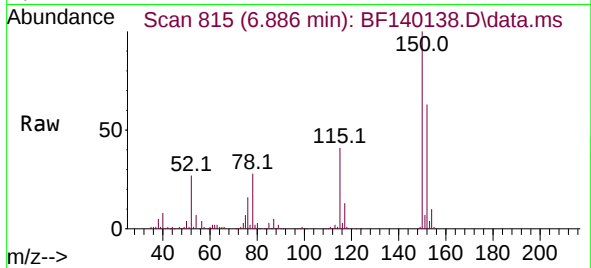




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

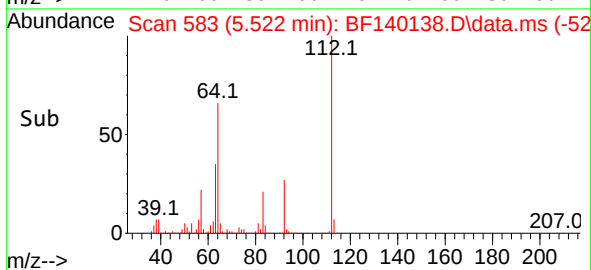
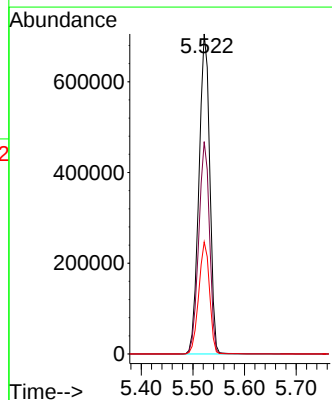
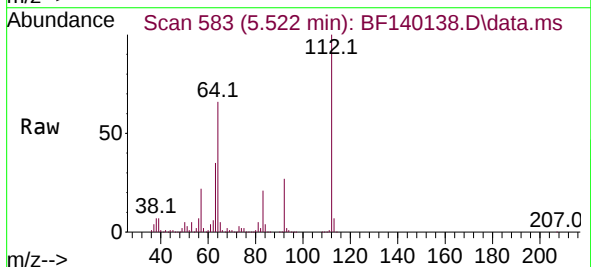
Instrument :  
BNA\_F  
ClientSampleId :  
RED-1-2

Tgt Ion:152 Resp: 126659  
Ion Ratio Lower Upper  
152 100  
150 158.8 130.2 195.2  
115 65.3 51.4 77.2



#5  
2-Fluorophenol  
Concen: 127.103 ng  
RT: 5.522 min Scan# 583  
Delta R.T. 0.024 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

Tgt Ion:112 Resp: 1028355  
Ion Ratio Lower Upper  
112 100  
64 66.4 53.0 79.6  
63 35.0 27.0 40.4

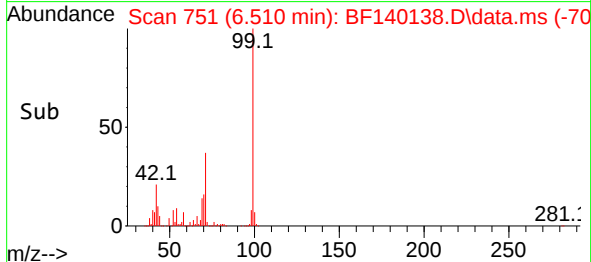
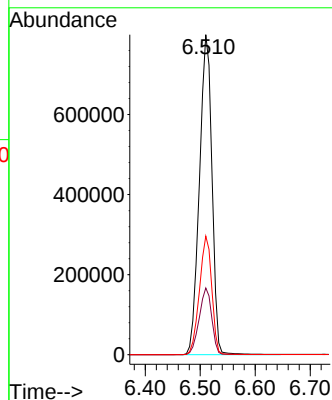
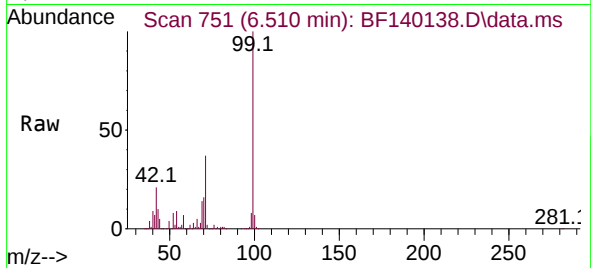




#7  
Phenol-d6  
Concen: 121.245 ng  
RT: 6.510 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

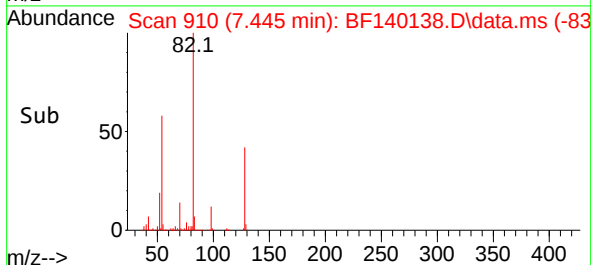
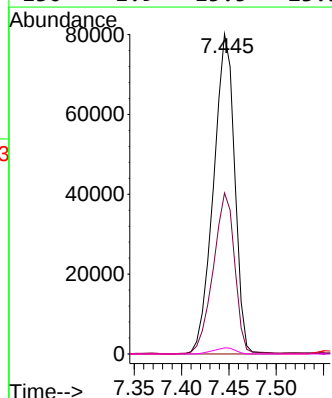
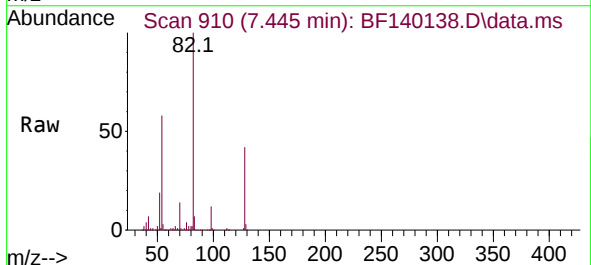
Instrument :  
BNA\_F  
ClientSampleId :  
RED-1-2

Tgt Ion: 99 Resp: 1270493  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.7 25.1  
71 37.1 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.581 ng  
RT: 7.445 min Scan# 910  
Delta R.T. 0.141 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

Tgt Ion: 70 Resp: 124443  
Ion Ratio Lower Upper  
70 100  
42 50.3 51.5 77.3#  
101 0.0 7.5 11.3#  
130 1.9 15.5 23.3#

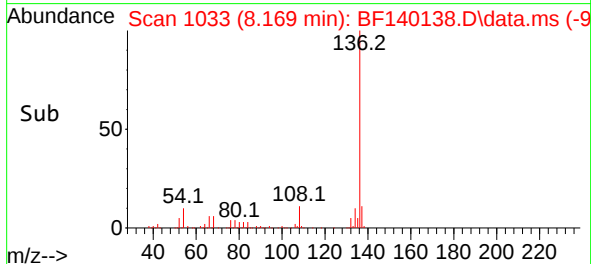
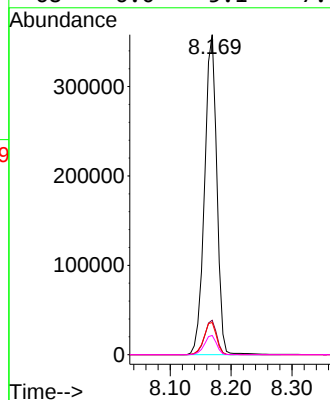
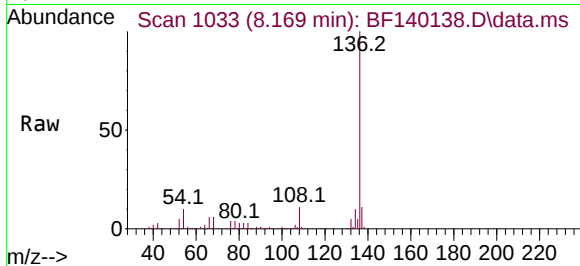




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

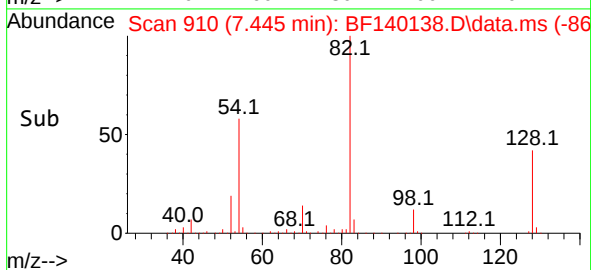
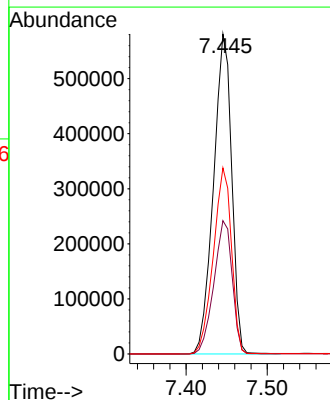
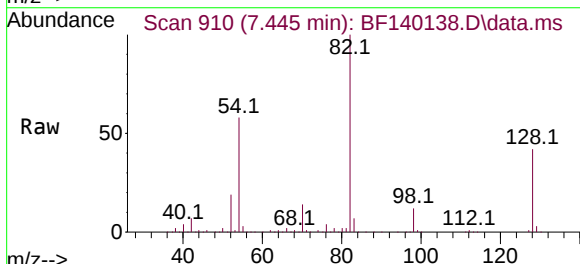
Instrument :  
BNA\_F  
ClientSampleId :  
RED-1-2

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 501647 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.8    | 8.6 12.8     |
| 54 10.1     | 8.4 12.6     |
| 68 6.0      | 5.1 7.7      |



#23  
Nitrobenzene-d5  
Concen: 99.984 ng  
RT: 7.445 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 904971 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 41.6    | 33.4 50.0    |
| 54 58.1     | 47.8 71.8    |

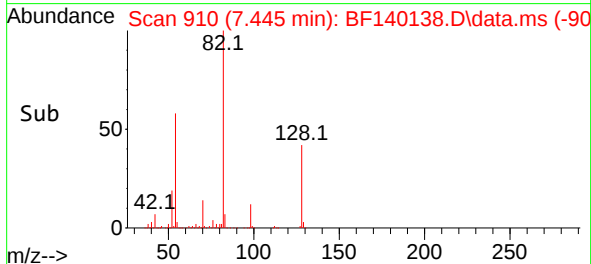
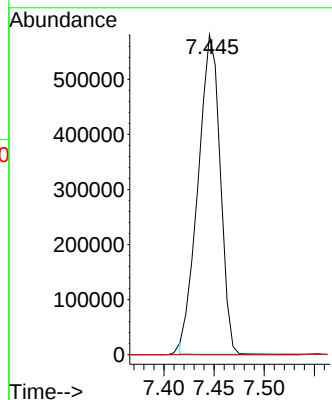
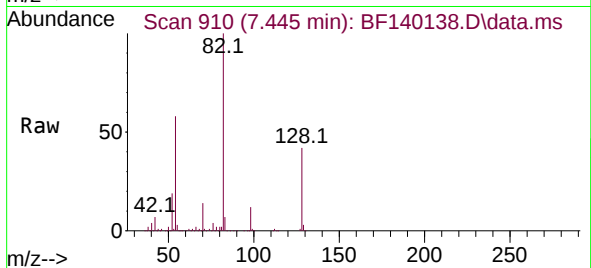




#25  
Isophorone  
Concen: 51.897 ng  
RT: 7.445 min Scan# 910  
Delta R.T. -0.265 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

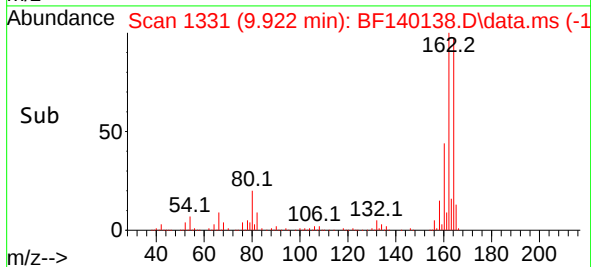
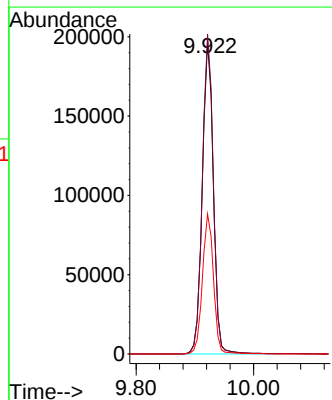
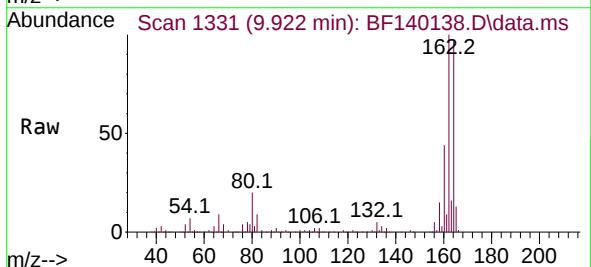
Instrument :  
BNA\_F  
ClientSampleId :  
RED-1-2

Tgt Ion: 82 Resp: 891536  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.2 19.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.005 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

Tgt Ion:164 Resp: 256654  
Ion Ratio Lower Upper  
164 100  
162 102.7 81.0 121.4  
160 44.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 118.746 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140138.D

Acq: 30 Oct 2024 03:48

Instrument :

BNA\_F

ClientSampleId :

RED-1-2

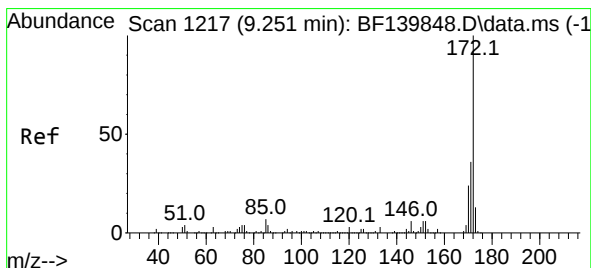
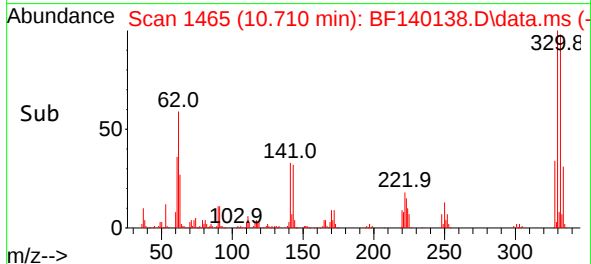
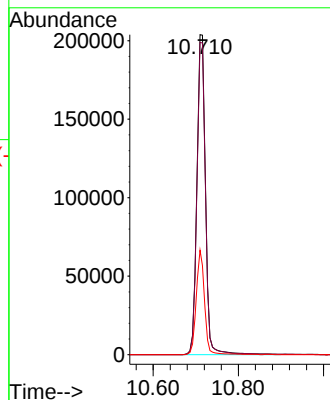
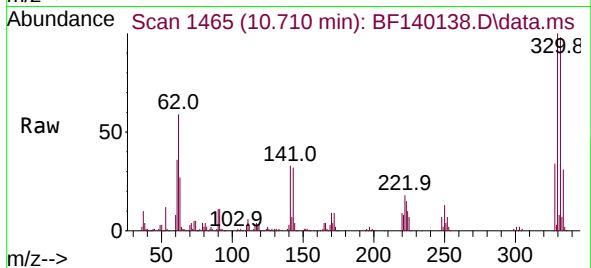
Tgt Ion:330 Resp: 285068

Ion Ratio Lower Upper

330 100

332 97.4 78.1 117.1

141 31.5 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 101.151 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140138.D

Acq: 30 Oct 2024 03:48

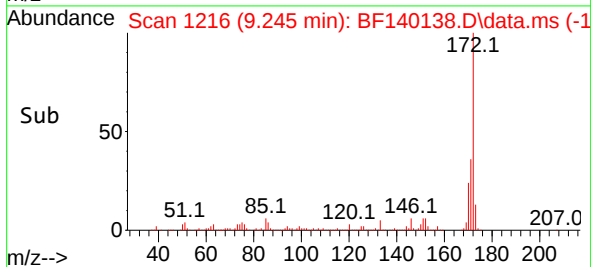
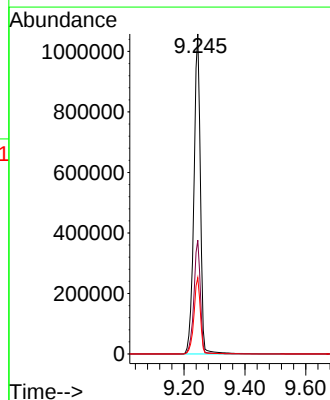
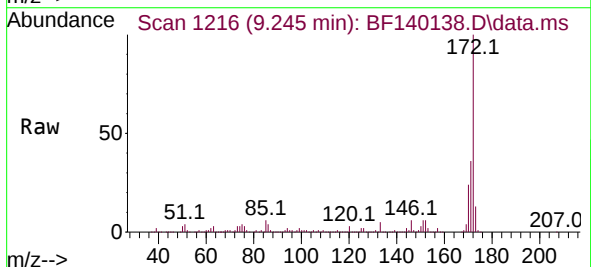
Tgt Ion:172 Resp: 1570816

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.8 19.1 28.7

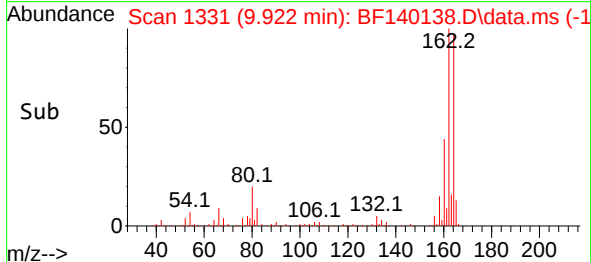
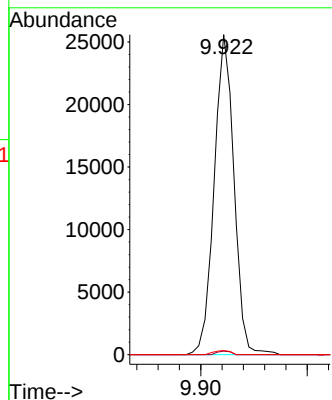
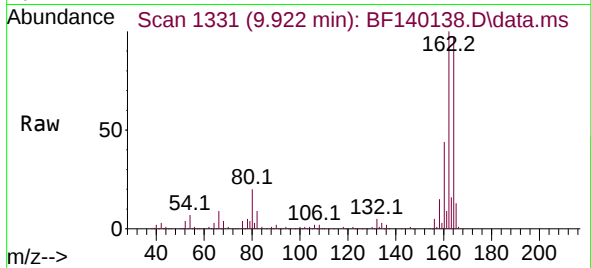




#51  
2,6-Dinitrotoluene  
Concen: 9.542 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. 0.212 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

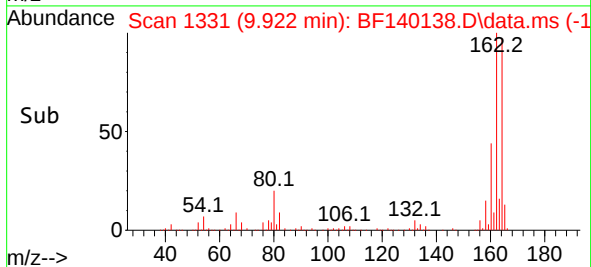
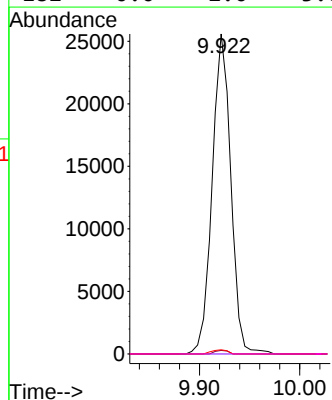
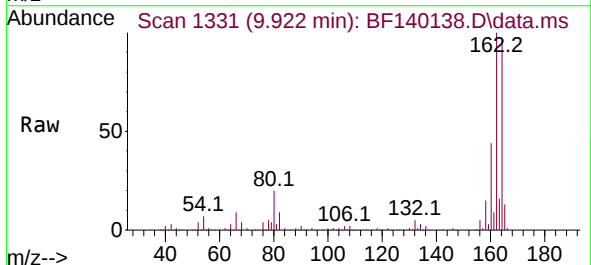
Instrument :  
BNA\_F  
ClientSampleId :  
RED-1-2

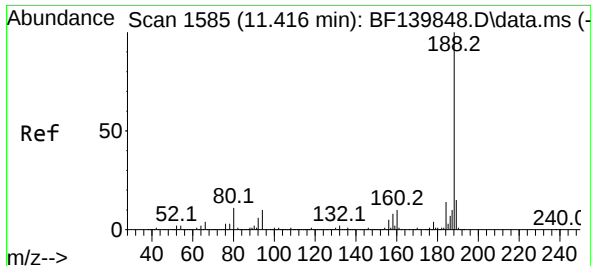
Tgt Ion:165 Resp: 33030  
Ion Ratio Lower Upper  
165 100  
63 1.1 50.6 75.8#  
89 1.3 47.5 71.3#



#57  
2,4-Dinitrotoluene  
Concen: 7.759 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.188 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

Tgt Ion:165 Resp: 33025  
Ion Ratio Lower Upper  
165 100  
63 1.1 40.1 60.1#  
89 1.3 60.4 90.6#  
182 0.0 2.0 3.0#

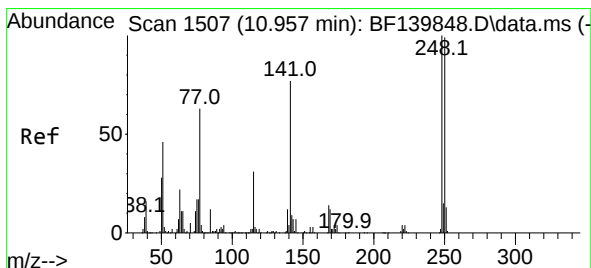
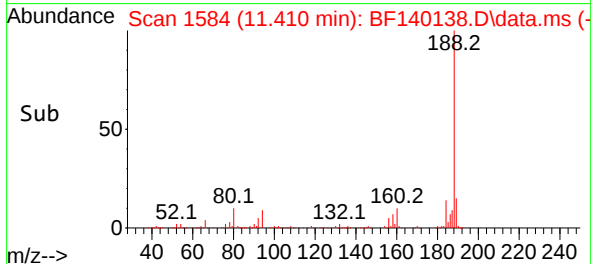
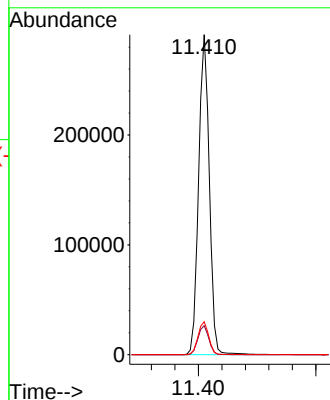
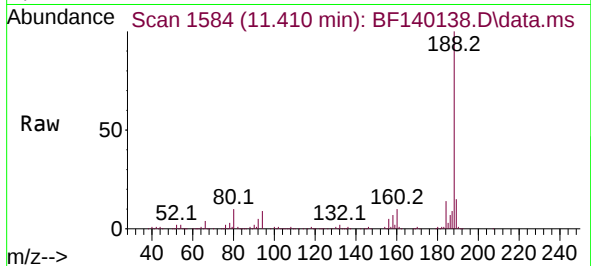




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

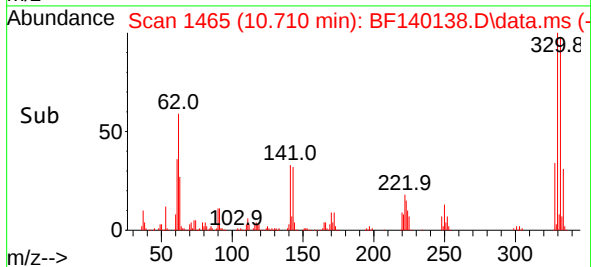
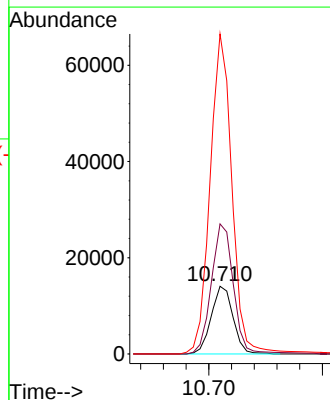
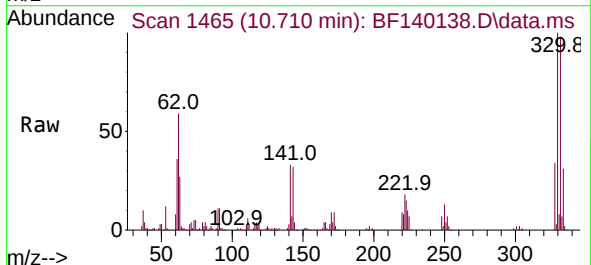
Instrument :  
BNA\_F  
ClientSampleId :  
RED-1-2

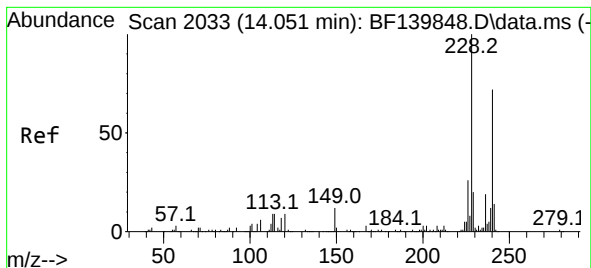
Tgt Ion:188 Resp: 367001  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.9 11.9  
80 10.3 9.0 13.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.958 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.247 min  
Lab File: BF140138.D  
Acq: 30 Oct 2024 03:48

Tgt Ion:248 Resp: 18746  
Ion Ratio Lower Upper  
248 100  
250 192.1 79.0 118.6#  
141 472.7 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140138.D

Acq: 30 Oct 2024 03:48

Instrument :

BNA\_F

ClientSampleId :

RED-1-2

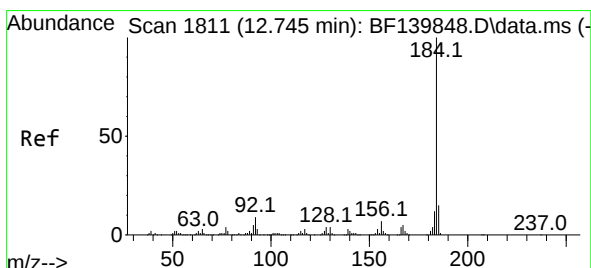
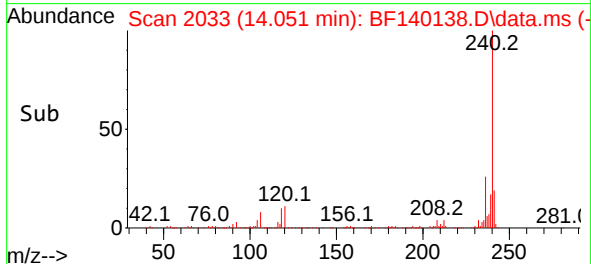
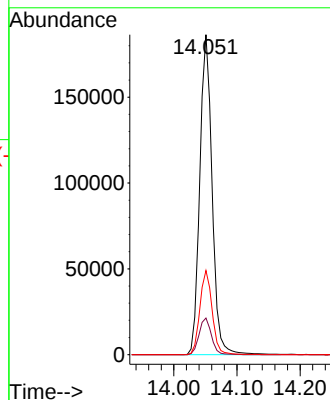
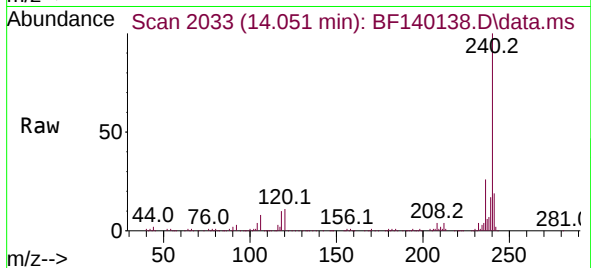
Tgt Ion:240 Resp: 252344

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 26.3 20.9 31.3



#77

Benzdine

Concen: 3.818 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140138.D

Acq: 30 Oct 2024 03:48

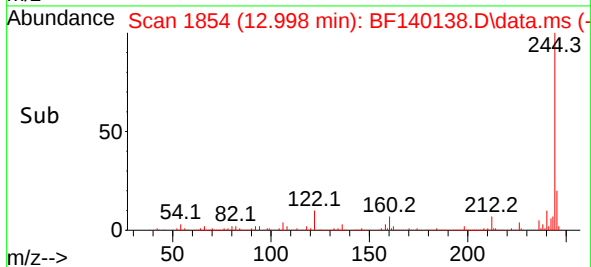
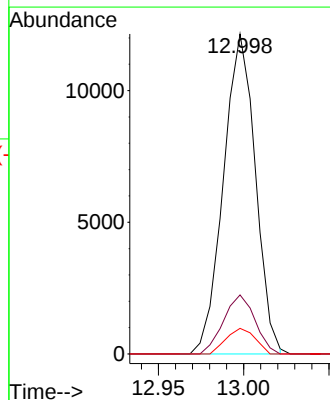
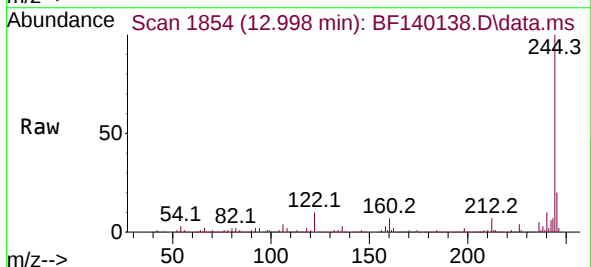
Tgt Ion:184 Resp: 15843

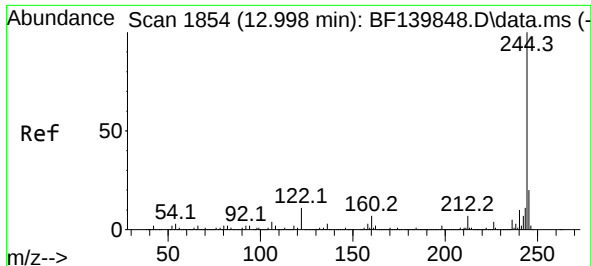
Ion Ratio Lower Upper

184 100

185 18.4 12.0 18.0#

183 8.0 9.4 14.2#

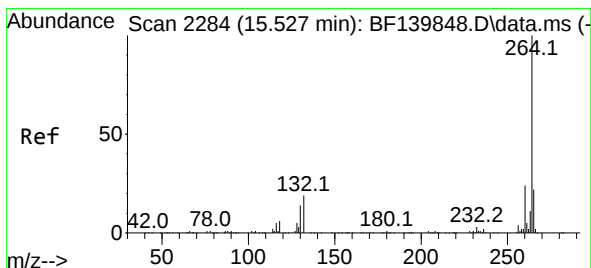
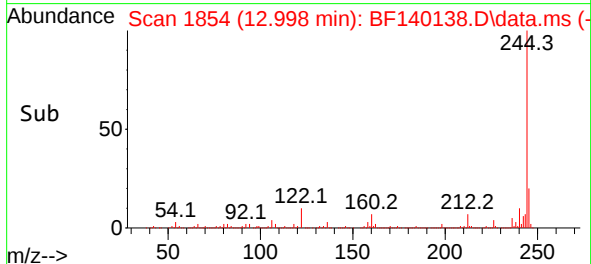
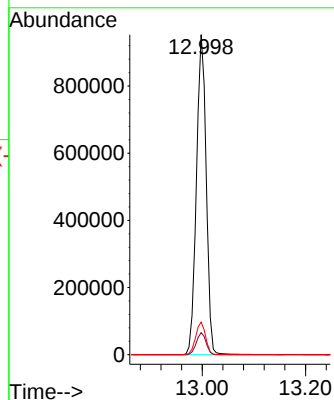
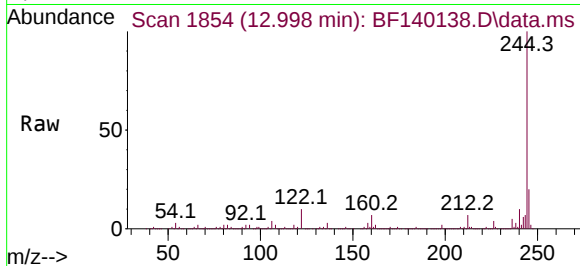




#79  
 Terphenyl-d14  
 Concen: 80.758 ng  
 RT: 12.998 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF140138.D  
 Acq: 30 Oct 2024 03:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RED-1-2

Tgt Ion:244 Resp: 1250635  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.7 8.5  
 122 10.2 8.6 13.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.533 min Scan# 2285  
 Delta R.T. 0.006 min  
 Lab File: BF140138.D  
 Acq: 30 Oct 2024 03:48

Tgt Ion:264 Resp: 187953  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.4 29.2  
 265 20.5 17.4 26.0

